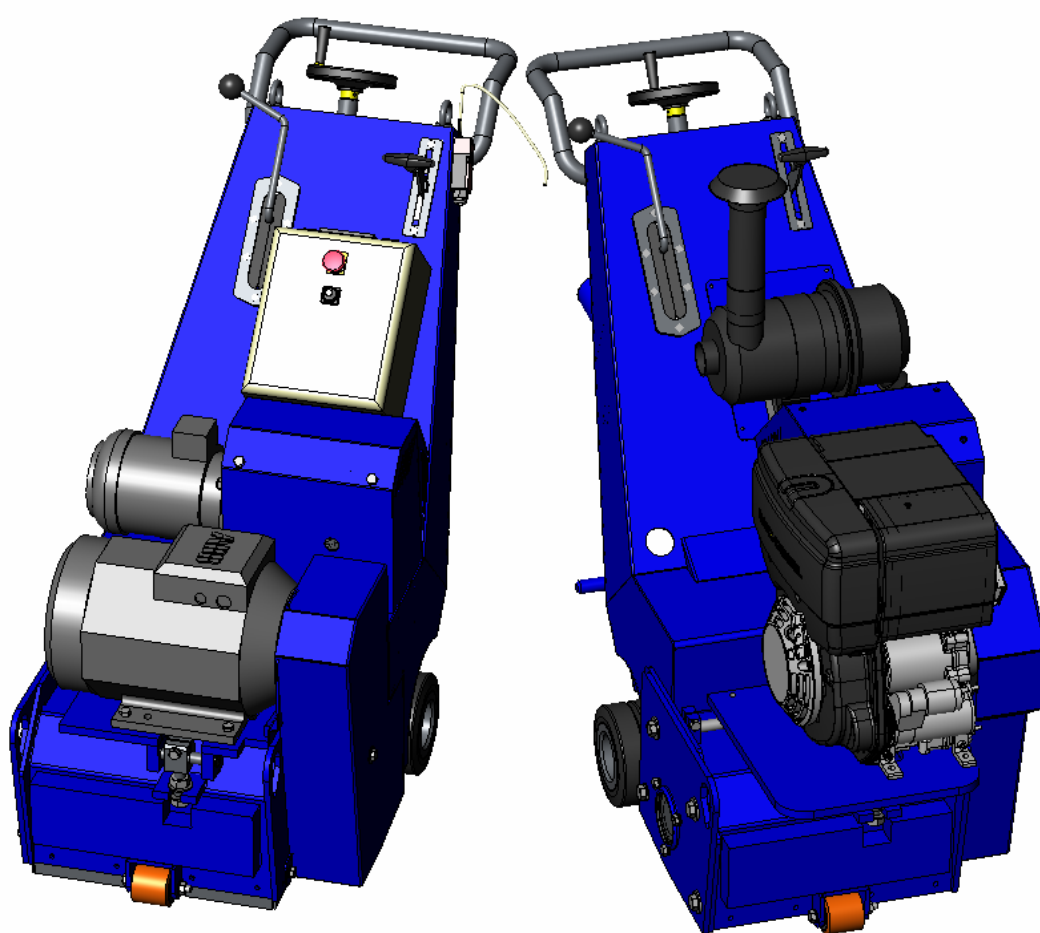




BMP-335 EHY & GHY

Version 1.0



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EC DECLARATION OF CONFORMITY

in accordance with Appendix II sub A of Directive 98/37/EC

BLASTRAC B.V.

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The Netherlands

Declare under our sole responsibility that the machine as described below
Conforms with the Health and Safety requirements of the European Directive
of the machine Safety.

In case of changes to the machine without our written authorization this declaration loses
its validity.

Model:**BLASTRAC BMP-335YHY & GHY Serial number:**

1. satisfies the conditions set out in the Machine Directive (Directive 98/37/EC); Low voltage directive (73/23/CEE, as last amended; EMC directive 89/336/CEE, as last amended)
2. satisfies the following harmonized standards:
NEN-EN 349, NEN-EN 418, NEN-EN 294 and NEN-EN 60204

Nieuwegein 01-12-2008


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1. Introduction

It is important that all persons who are working with or maintaining this machine must read the manual carefully and understand it fully. Keep this manual near to the machine, to enable it be referred to at any time

Only authorized and trained personnel may operate this machine.

2. Machine description

The Blastrac scarifier BMP-335 can be supplied with a 400 volt electric motor (EHY) or with a combustion engine (GHY). The scarifier can be used on almost any surface (concrete, asphalt, stone and steel) to roughen up existing surfaces and removing coatings.

The drum of the scarifiers revolves at 1000 revolutions per minute. (RPM)

The depth of scarifying can be adjusted by the fine adjustment control at the front of the machine; by this means it is possible to treat the surface with light or heavy cuts as is required.

Application

The scarifier is a very versatile machine and with the appropriate cutters it may be used for the following applications.

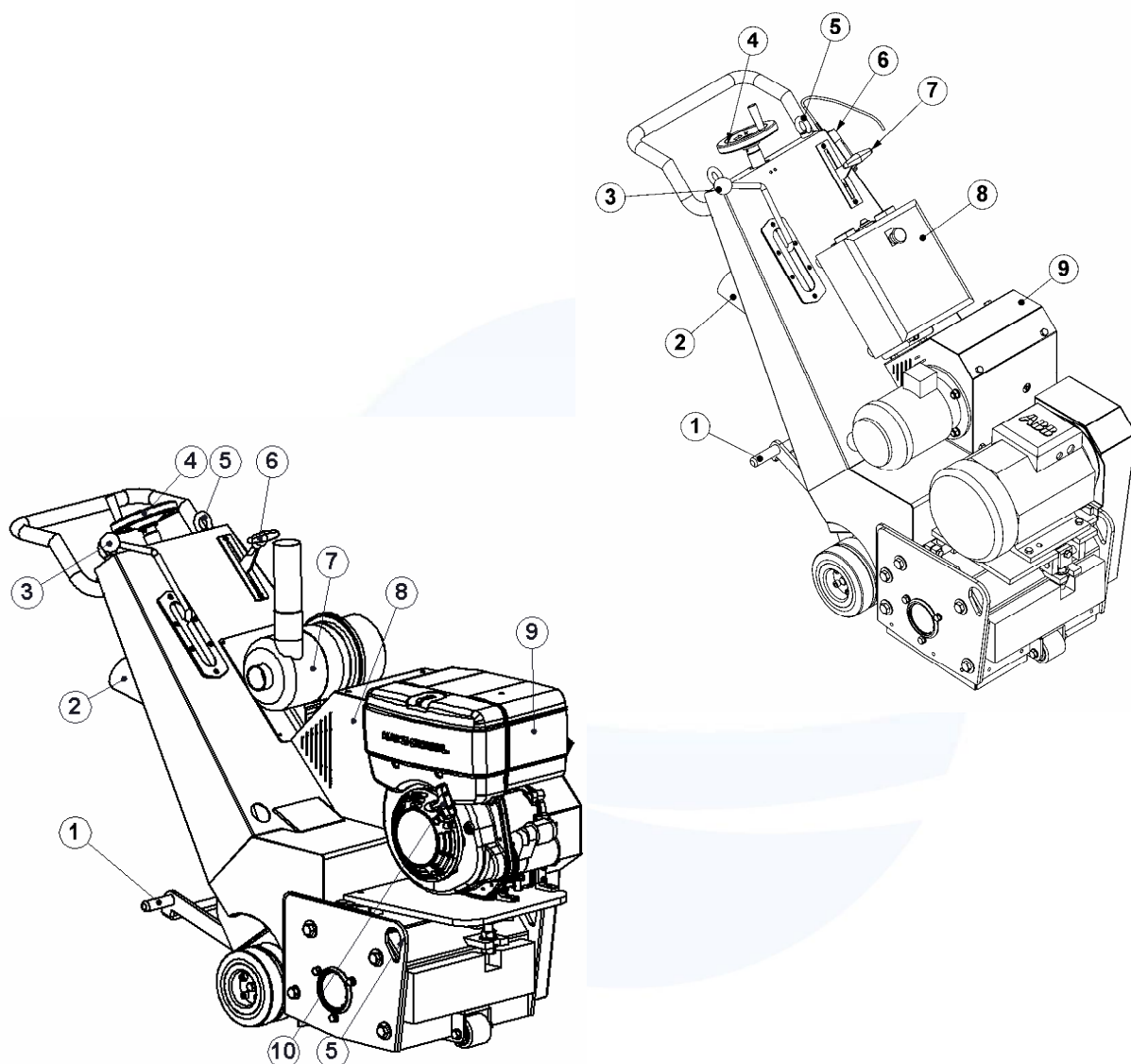
- To roughen concrete
- To clean most horizontal surfaces
- To remove coatings
- To corrugate concrete surfaces
- To remove road markings
- To make non-slip surfaces

The force of impact of a cutter is controlled by the depth adjustment. With the right depth adjustment, the best performance is obtained to give a desired result.

With a suitable Blastrac dust collector work can be carried out without causing dust in the work area, this raises the life span of the machine and helps the health of the personnel.

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	BMP-335 EHY	BMP-335 GHY
1	Treadle of drive system	Treadle of drive system
2	Dust collector connection	Dust collector connection
3	Quick lift lever	Quick lift lever
4	Handwheel working depth	Handwheel working depth
5	Lifting eye	Lifting eye
6	Dead man switch	Driving lever
7	Driving lever	Air filter
8	Electrical panel	Hydraulic pump housing
9	Hydraulic pump housing	Diesel motor
10		Start cord



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3. Safety

Before operating the machine, the personnel must be familiar with the safety instructions given in this manual.

Keep this manual near to the machine, so it can always be consulted.

Safety precautions

- The surface to be treated must be swept clean to remove stones, screws etc.
- Never use the machine when the surface is not clear and if there is a risk of tripping.
- Make sure there is not any water on the surface to be treated.
- Don't get disturbed during the activities.
- Remove any trailing electrical cables and or dust hoses from the surface to be treated.
- Always switch on the dust collector.

Safety regulations

- Persons who are not operating the machine must not be permitted to stay in the surrounding area of the machine.
- Don't change anything on the machine. Always use cables which are approved and safety earthed, including extension cables. The machine is always equipped with an earthed connection, do not change this and use always earthed cables with an earthed plug.
- Connect the main power supply cable to an installation with an earth leakage circuit breaker.
- Inspect and test the electrical components regularly. The electrical components have to satisfy to the requirements which apply to these components.
- Always call a skilled electrician or your distributor when you have questions about the safety of the electrical components.
- Work on electrical equipment or operating materials may only be undertaken by a skilled electrician or by trained persons under the guidance and supervision of a skilled electrician as well as in accordance with the electrical engineering regulations.
- Pull out the main plug during inspections and repairing on the machine.
- Never operate the machine when the surface is wet.
- Never use the machine in the rain.
- It is possible to transport the machine without electrical power by pushing up the treadle (pos. 1, page 5). The drive wheels are declutched of the drive motors now. Be sure that the floor is flat, because the machine is uncontrolled now! **It is very dangerous to drive the machine on a grade or ramp when the treadle is in upwards position!**

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The following sticker is placed on the machine.



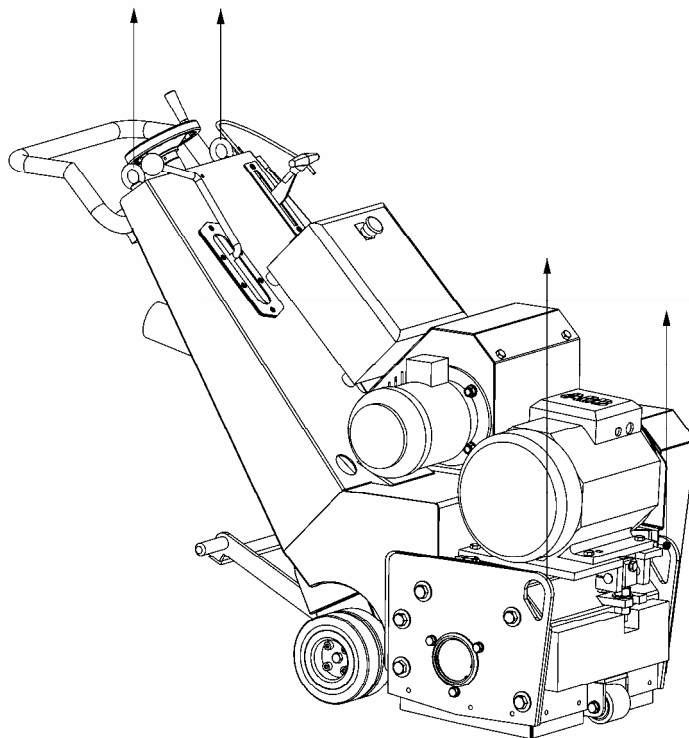
Meanings of these symbols are:

- Ear protection is obliged
- Safety glasses with lateral protection are obliged
- CE-mark on this machine
- Safety shoes obliged
- Consult the manual before operating the machine

Personnel must tie back long hair and not wear loose clothing or jewellery including rings. Wear gloves and dust mask during operating the machine.

Safety instructions

- Pull out the main plug when changing the drum or during repairing the machine.
- Make sure the machine is clean and that the handgrips are dry and free of grease and oil.
- The dustbin of the dust collector must be emptied regularly. Pay attention to the environment regulations.
- The weight of the BMP-335 is 405 kilogram. Use preferably appropriate appliances as a lift or crane. Use the existing lifting points to lift the machine.



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4. Initial operation

Before using the machine it is of great importance to inspect the machine. It is not permitted to use the machine if the machine safety is not according to the checkpoints below.

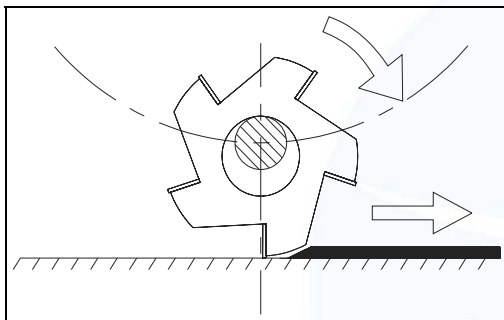
Checkpoints of electrical safety

- Use only extension cables for extending the main cable that are sized and marked in accordance with the overall power consumption of the machine.
- Electrical cables must be rolled entirely off of the reels.
- Any damage to electric cables is not permitted
- Use an electrical power supply connection with earth connection.

Checkpoints of machine safety

Check if:

- The safety functions and operating functions work correct.
- The drum is in good condition.
- The drum is assembled as shown in the service manual.
- There is not any damage to the hydraulic components on the machine.
- There are not any loose nuts or bolts.
- There is not any damage to the dust hose and if it is connected correctly.
- Check, when using non symmetric cutters, if the direction of turning is like figure below.



Removing the drum

- Loosen the bolts of the side plate and remove the side plate
- Pull the drum from the axle, and support the drum.

Mounting the drum

- Clean the hexagon axle and lubricate this over the whole length.
- Slide the drum over the axle until it will not go any further.
- Mount the side plate. A side plate which is incorrectly mounted or mounted with force, will shorten the lifetime of the drum bearings.

Never use the machine without a side plate or with an incorrect mounted side plate!

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5. Operating

During operating the BMP-335, the following additional safety instructions must be followed closely.

Before starting up

- Make sure that the drum doesn't hit the ground. The quick lift lever must be in upper position and the fine adjustment must be turned up.
- Connect the scarifier and the dust collector with the dust hose. Make sure there is a good and airtight connection.
- Connect the scarifier and the dust collector with the power supply. Make sure the right connection is available for the machines. (only BMP-335EHY)

Procedure to start work

- Turn on the dust collector
- Put the cord of the dead man switch around the left wrist.
- Start the machine by pushing the button 'scarify motor ON' (BMP-335EHY) or by pulling the start cord of the diesel motor. (BMP-335GHY)
- Check if the drum turns the right direction. (Only BMP-335EHY)
- Slowly let down the quick lift lever slowly.
- Turn the fine adjustment clockwise till the desired scarifying depth is reached.

Switch off the machine

- Pull the quick lift lever up and turn the fine adjustment till the drum does not hit the ground anymore.
- Push the red button (BMP-335EHY) or push down the START/RUN knob (BMP-335 GHY), see picture below.
- Switch off the dust collector.
- Disconnect the power supply.
- Pay attention that all twisting and turning machine parts have reached a standstill before inspection or maintenance duties are carried out.



6. Maintenance

Prevent premature wear by keeping the machine as dust free as possible. Clean the machine for this reason regularly with a dust collector

Clean the machine every day with air and non-aggressive materials. Never use a high pressure water cleaner to clean the machine.

Store the cleaned and dry machine in a dry and humid free room. Protect the electrical motor from moisture, heat, dust and mechanical shocks.

All repair work must to be done by qualified Blastrac personnel, this to guarantee a safe and reliable machine.

Any guarantee on the machine is expired when:

- Non original Blastrac parts and cutters have been used
- Repair work is not done by qualified Blastrac personnel
- Changes, add on's or conversions are undertaken without written permission of Blastrac BV



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7. Technical data

	BMP-335EHY	BMP-335GHY
Power consumption	12.1 kW	7.5kW
Working width	335 mm	335 mm
Rotation speed drum	1000 min ⁻¹	1000 min ⁻¹
Length	1400 mm	1400 mm
Width	605 mm	605 mm
Height	1075 mm	1075 mm
Weight	405 kg (inc. drum)	405 kg (inc. drum)
Noise level	Up to 108dB(A)	Up to 108dB(A)
Dust hose connection	Ø75 mm	Ø75 mm

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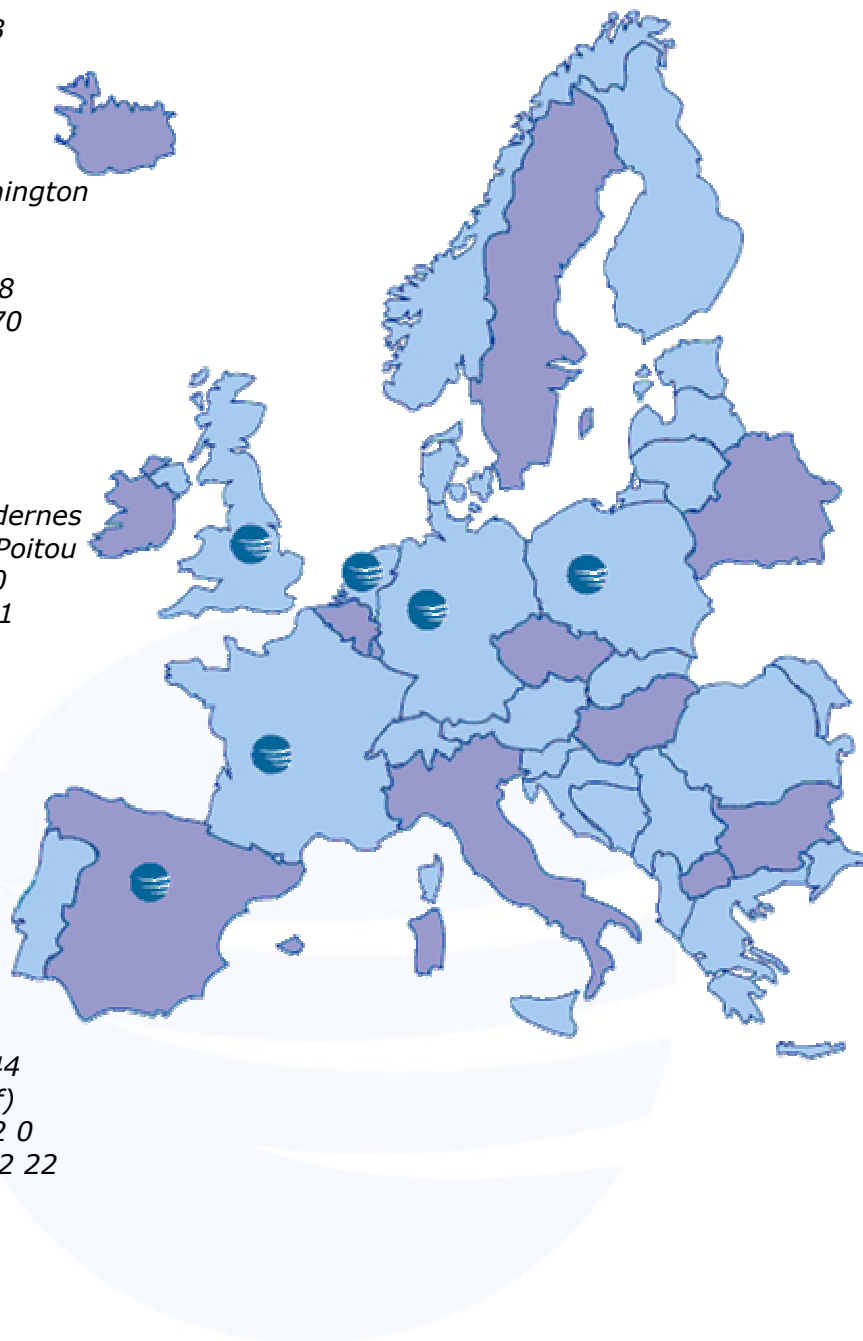
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